

**From:** [Wienand, Bryan](#)  
**To:** [Todd Wegner](#)  
**Subject:** RE: Kailua WWTP Entero. and Nutrient Data 2008-2012  
**Date:** Thursday, December 13, 2012 6:32:50 PM

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Todd,

Water quality monitoring is conducted at the ZOM stations because there are no water quality standards to be met at the ZID. If you have any questions please feel free to ask.

Thank you,  
Bryan

**Bryan Wienand**  
City and County of Honolulu  
Department of Environmental Services  
Monitoring and Compliance  
Phone: 808.768.3140 | Email: [bwienand@honolulu.gov](mailto:bwienand@honolulu.gov)  
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**From:** Todd Wegner [<mailto:todd.wegner@pgenv.com>]  
**Sent:** Wednesday, December 12, 2012 6:29 AM  
**To:** Wienand, Bryan  
**Subject:** RE: Kailua WWTP Entero. and Nutrient Data 2008-2012

Hi Bryan,

Thanks for all this information, it has been very helpful in pulling together this draft permit.

In Part C.2.b of the previous permit, it requires monitoring at 4 stations along the boundary of the Zone of Initial Dilution. Do you have monitoring locations for this?

Thanks

Todd Wegner  
PG Environmental, LLC  
703-707-8258 Ext. 105

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**From:** Wienand, Bryan [<mailto:bwienand@honolulu.gov>]  
**Sent:** Tuesday, December 04, 2012 4:25 PM  
**To:** Todd Wegner  
**Subject:** RE: Kailua WWTP Entero. and Nutrient Data 2008-2012

Todd,

Please see the attached map for the Kailua shoreline, nearshore, and offshore monitoring stations.

Shoreline Stations	Coordinates (Latitude; Longitude)
North Beach	21° 27' 14.4" N; 157° 44' 24.0" W
MS1 (Fort Hase)	21° 26' 40.0" N; 157° 44' 10.6" W
MS2 (Kapoho Point)	21° 25' 30.8" N; 157° 44' 24.2" W
Oneawa Beach	21° 25' 06.0" N; 157° 44' 39.3" W

Kalama Beach	21° 24' 20.1" N; 157° 44' 19.9" W
MS3 (Kailua Beach)	21° 23' 54.8" N; 157° 43' 38.2" W
MS4 (Lanikai Boat Ramp)	21° 23' 44.8" N; 157° 43' 19.7" W

Nearshore Stations	Coordinates (Latitude; Longitude)
MN1	21° 27' 49.7" N; 157° 43' 55.5" W
MN2	21° 27' 08.0" N; 157° 43' 13.3" W
MN3	21° 25' 48.9" N; 157° 43' 50.2" W
MN4	21° 24' 32.0" N; 157° 43' 19.1" W

Offshore Stations	Coordinates (Latitude; Longitude)
M1	21° 28' 13.4" N; 157° 43' 55.9" W
M2	21° 27' 18.4" N; 157° 42' 54.9" W
M3	21° 27' 17.0" N; 157° 42' 44.1" W
M4	21° 27' 03.3" N; 157° 42' 54.7" W
M5	21° 27' 08.7" N; 157° 43' 06.2" W
M6	21° 26' 35.6" N; 157° 42' 55.1" W

Consistent with the Fact Sheet, the City monitors enterococci at the boundary of the ZOM - Stations M2, M3, M4, and M5.

Regarding the effective dilution, it appears as though the 117.84 was mistakenly referenced in the Kailua application because that value is the effective dilution for Waianae WWTP, not Kailua.

Thank you,  
Bryan

**Bryan Wienand**

City and County of Honolulu  
Department of Environmental Services  
Monitoring and Compliance

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**From:** Todd Wegner [<mailto:todd.wegner@pgenv.com>]  
**Sent:** Tuesday, December 04, 2012 9:00 AM  
**To:** Wienand, Bryan  
**Subject:** RE: Kailua WWTP Entero. and Nutrient Data 2008-2012

Hi Bryan,

Thanks for getting this data to me so quickly. Do you have coordinates for these stations by any chance?

Also, in the ZOM application it says in the Annotations page (response 16.b) that effective dilution remains the same at 117.84. I have looked through the permit, fact sheet, and pg 101 of the *Technical Review of the Kaneohe, Kailua, and Ahuimanu Wastewater Treatment Plants Section 301(h) Application for Modification of Secondary Treatment Requirements for Discharge into Marine Waters* (June 1985) and have not been able to find any reference to that value of 117.84. Can you get me any information on where the dilution of 117.84 came from? The current permit

uses 186 for calculating the chronic toxicity limitation.

Thanks for your help.

Todd Wegner  
PG Environmental, LLC  
703-707-8258 Ext. 105

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**From:** Wienand, Bryan [<mailto:bwienand@honolulu.gov>]  
**Sent:** Monday, December 03, 2012 8:20 PM  
**To:** Todd Wegner  
**Subject:** Kailua WWTP Entero. and Nutrient Data 2008-2012

Todd,

Please see the attached spreadsheets for the Kailua WWTP data you requested. If you have any questions or would like any other data, please feel free to contact me.

Thanks,  
Bryan

**Bryan Wienand**  
**City and County of Honolulu**  
**Department of Environmental Services**  
**Monitoring and Compliance**  
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